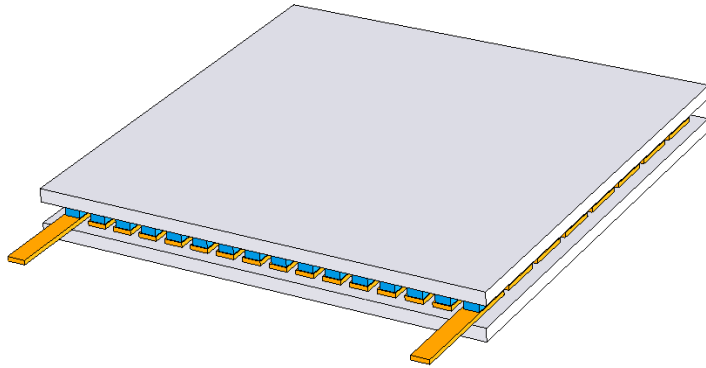


SPECIFICATION OF GENERATING THERMOELECTRIC MODULES TGM-127-1.0-0.8


<i>Thermoelectric parameters</i>	<i>Unit</i>	<i>Value</i>
Output power, P* (at $T_h=200^\circ\text{C}$, $T_c=30^\circ\text{C}$)	W	5,1
I_{load}*	A	1,66
U_{load}*	V	3,0
R_{ac} (at 200°C), $\pm 10\%$	Ohm	1,84
R_t	K/W	1,69

* for $R_{load}=R_{ac}$

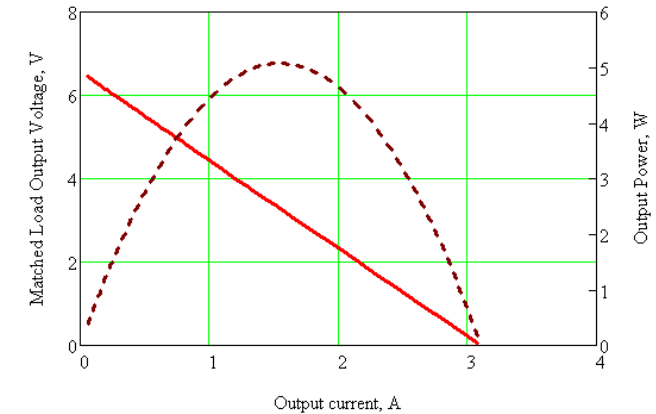
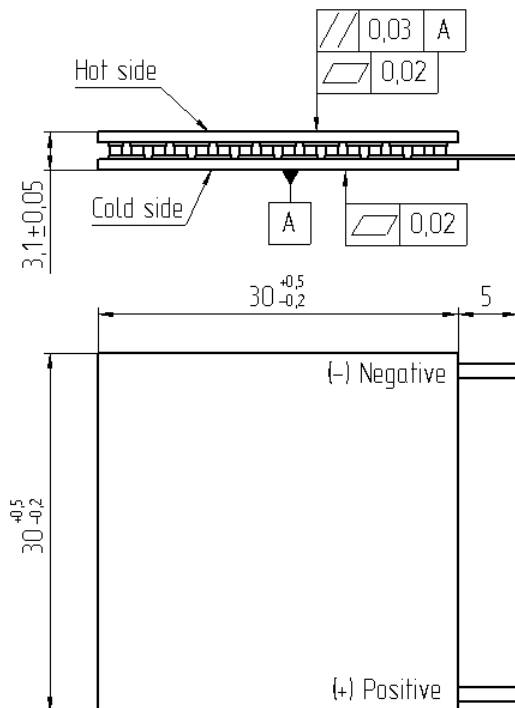
R_{ac} – internal TGM resistance at working temperature;

R_{load} – load resistance;

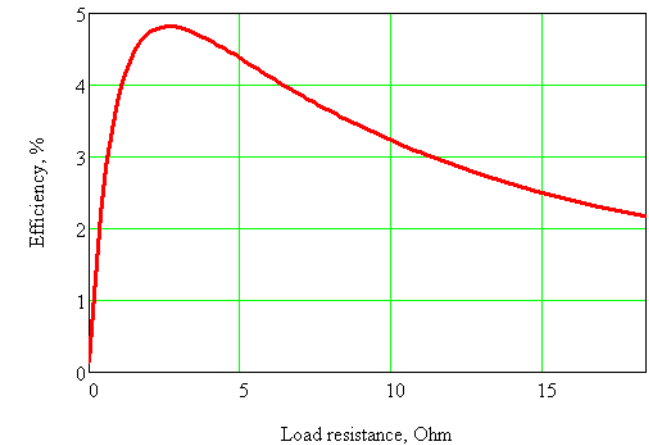
R_t – heat resistance.

<i>Operation parameters</i>	<i>Unit</i>	<i>Value</i>
Working temperature	°C	200
Max. processing temperature	°C	220
Assembly pressure	kg/cm²	12-15

<i>Additional options</i>	<i>Notations</i>
Height tolerance up to, mm	$\pm 0,015$
Flatness up to, mm;	0,01
Parallelism up to, mm;	0,01
Sealants: epoxy, urethane	-
Type and length of lead wires	-
Assembling into arrays	-

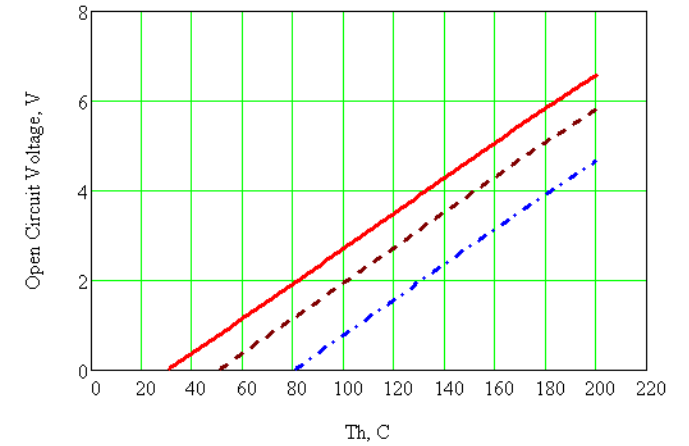
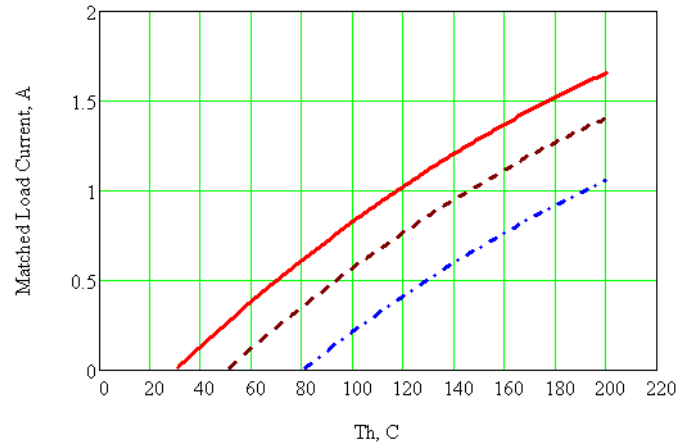
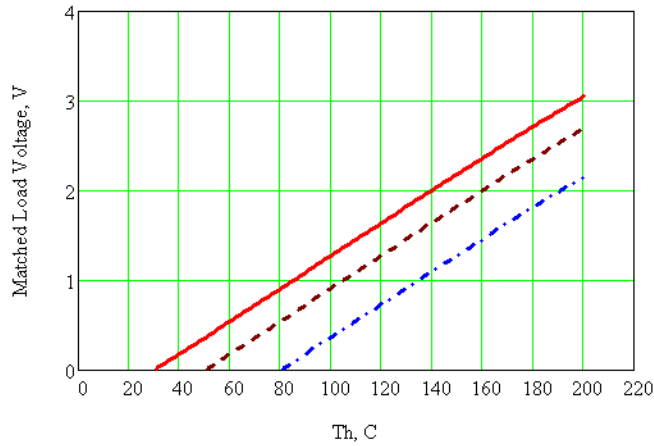
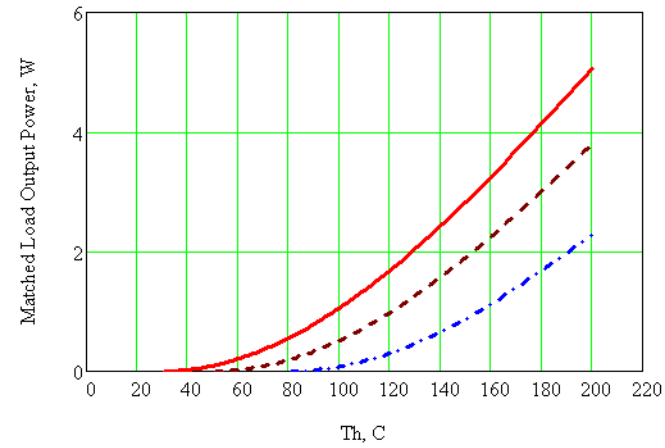
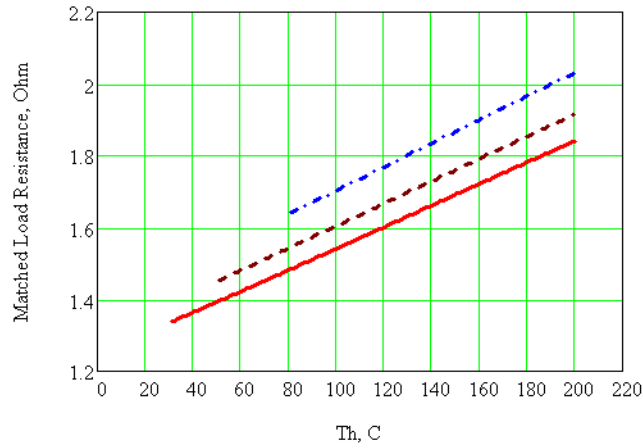


— Output voltage, V
 - - - Output power, W



Please refer to our standard assembling recommendations at our [site](#)

SPECIFICATION OF GENERATING THERMOELECTRIC MODULES TGM-127-1.0-0.8



- Tc=30°C
- - - Tc=50°C
- · - · Tc=80°C